6 Nominal Resistance 7 Resistance Tolerance

© Flactrada Matariala			(i) C - - - - -	40 Day	مارئیم می	
N	99% AIN	2/	0.111	R=decimal point; For examples: 2R5=2.5Ω.	М	±20%
А	99.6% AIO	2A	0.1W	IA Capacitance code in pF.1st two digit are significant gures of capacitance; 3rd digit denotes number of Zeros;	К	±10%

4 Nominal Resistance Range

4 Dielectrics

- Nonmar Resistance Range						
Туре	Case size	Resistance Range	Rated Power			
	0101	10Ω~100Ω				
	0201	10Ω~200Ω				
FR	0202	10Ω~200Ω	0.1W@70°C			
	0402	10Ω~500Ω				
	0603	10Ω~500Ω				

Thin-film Resistor

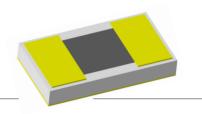
Type: FR

Thin-film Resistor

1 Features

- 1) Small size, high frequency;
- 2) TaN thin-film resistor, stable performance;
- 3) Gold Electrode is applicable to micro-assembly process such as gold wire or gold strip bonding.

⑤ Rated Power



2 Applications

D.C bias in radio frequency and micro-wave circuits.

3 How to order

FR	А	0201	А	2A	500	K	Т	В	С
Туре	Electrode Style	Case size	Dielectrics	Rated power	Nominal Resistance	Resistance Tolerance	Electrode Materials	Gold Thickness	Packing
1)	2	3	4	(5)	6	7	8	9	10

① Type	② Electrode Style	Drawing		
FR: Thin-film Resistor	A: Double-sided Electrode B: Single-sided Electrode	中国膜 引出端 陶瓷介质		

	③ Case size (mm)						
Case size	0101	0201	0202	0402	0603		
L	0.25 ± 0.076	0.50 ± 0.076	0.5 ± 0.076	1.0 ± 0.076	1.6±0.076		
W	0.25 ± 0.076	0.25 ± 0.076	0.5 ± 0.076	0.5 ± 0.076	0.8 ± 0.076		
Т			0.254 ± 0.076				

8 Electrode Materials		Gold thickness			10 Packing	
	P: TiW/Au T: TiW/Ni/Au	If gold thicknesses of upper and lower sides are the same, gold thickness:	If gold thicknesses of upper and lower sides are differnce, upper gold thickness:	С	Waffle	
	Excluding resistance film (TaN)	1:≥ 1.3μm; 2 or blank:≥ 2.5μm; 3:≥ 3.8μm5: ≥ 5μm	A: ≥ 1.3µm C: ≥ 3.8µm B: ≥ 2.5µm D: ≥ 5µm	F	Film	

Туре	Case size	Resistance Range	Rated Power	
	0101	10Ω~100Ω		
	0201	10Ω~200Ω		
FR	0202	10Ω~200Ω	0.1W@70°C	
	0402	10Ω~500Ω		
	0603	10Ω~500Ω		



Thin-film Resistor

5 Storage

Capacitors must be stored in the warehouse with the ambient temperature From -10°C to 40°C, relative humidity below 80%, and free of acid, alkaline or detrimental gas.

Capacitors must be in vacuum packing or in the protection of Nitrogen after unpacking.

The max. storage period is 18 months.